Series S19, S21, L7.

Installing VNISH firmware without using an SD card.
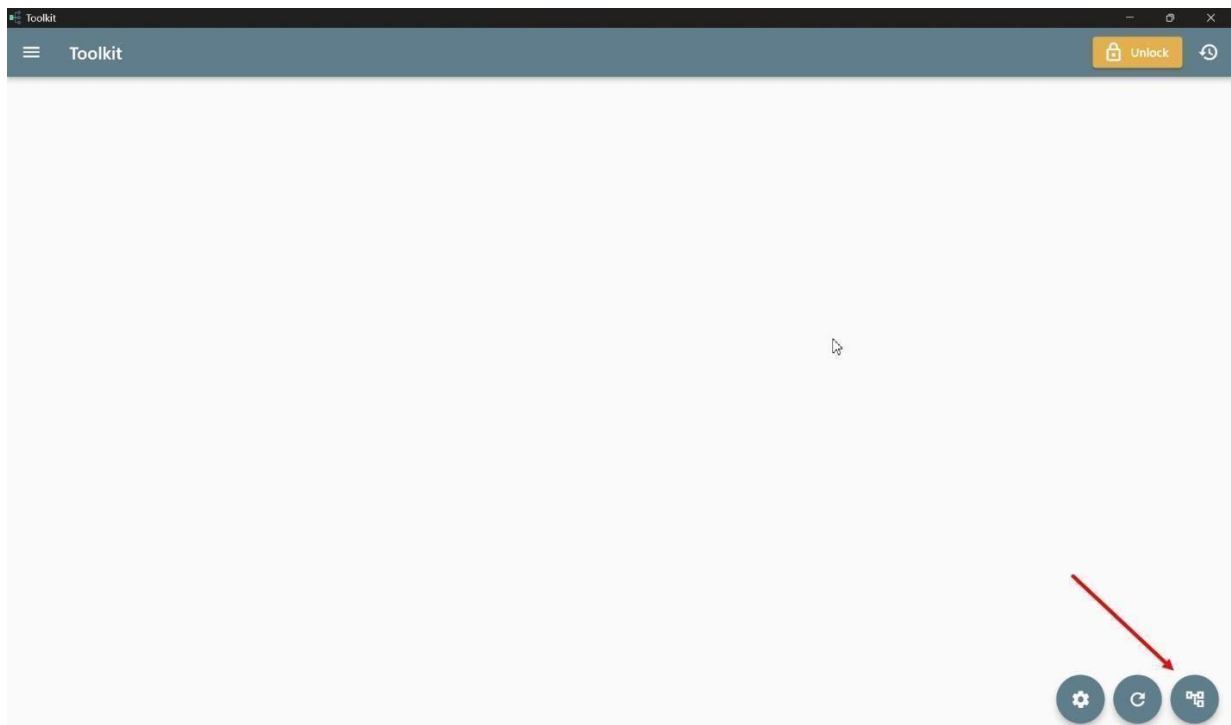
ATTENTION: **This method only works when migrating from Bitmain firmware to Vnish.**

Download the toolkit program: https://vnish-firmware.com/en/

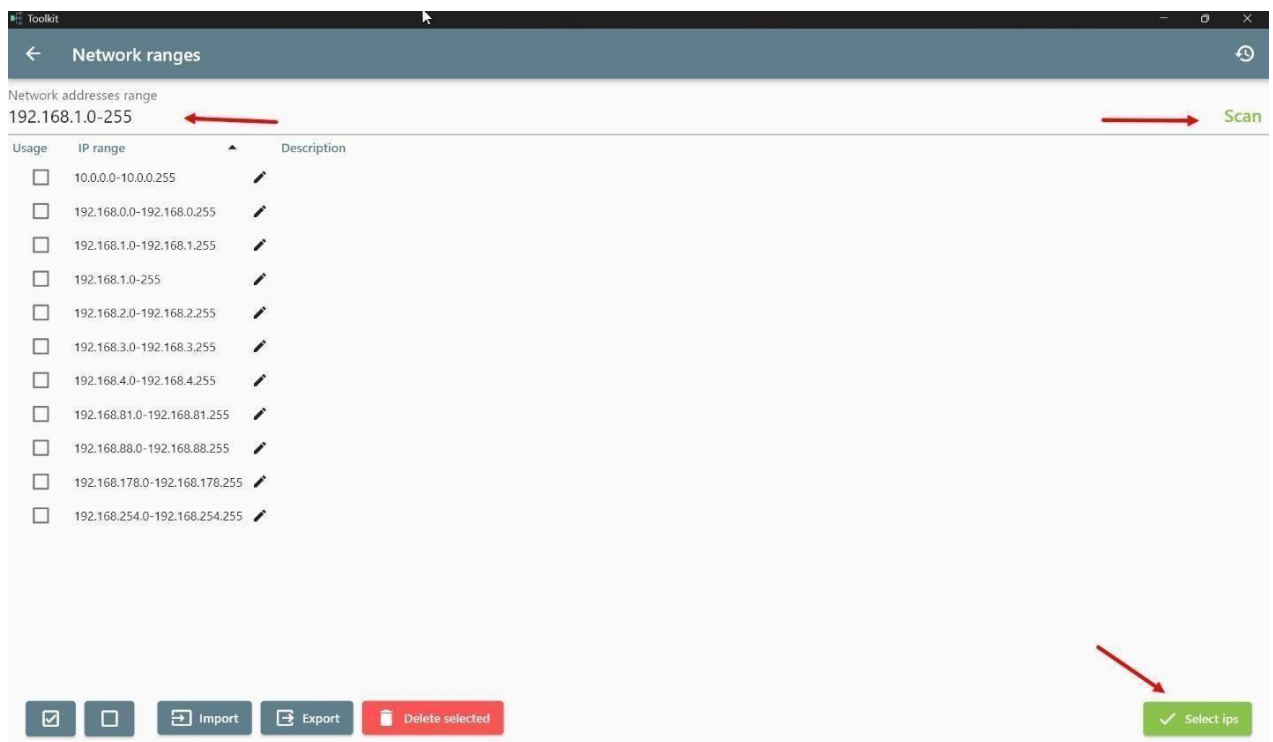**Next, create a folder and call it VNISH_OFFICIAL-NAND. Download the firmware to the VNISH_OFFICIAL-NAND folder for yourASIC model(s) and control board from the section INSTALLATION IN NAND WITHOUT USING SD CARD on the website:** **https://vnish-firmware.com/en/**
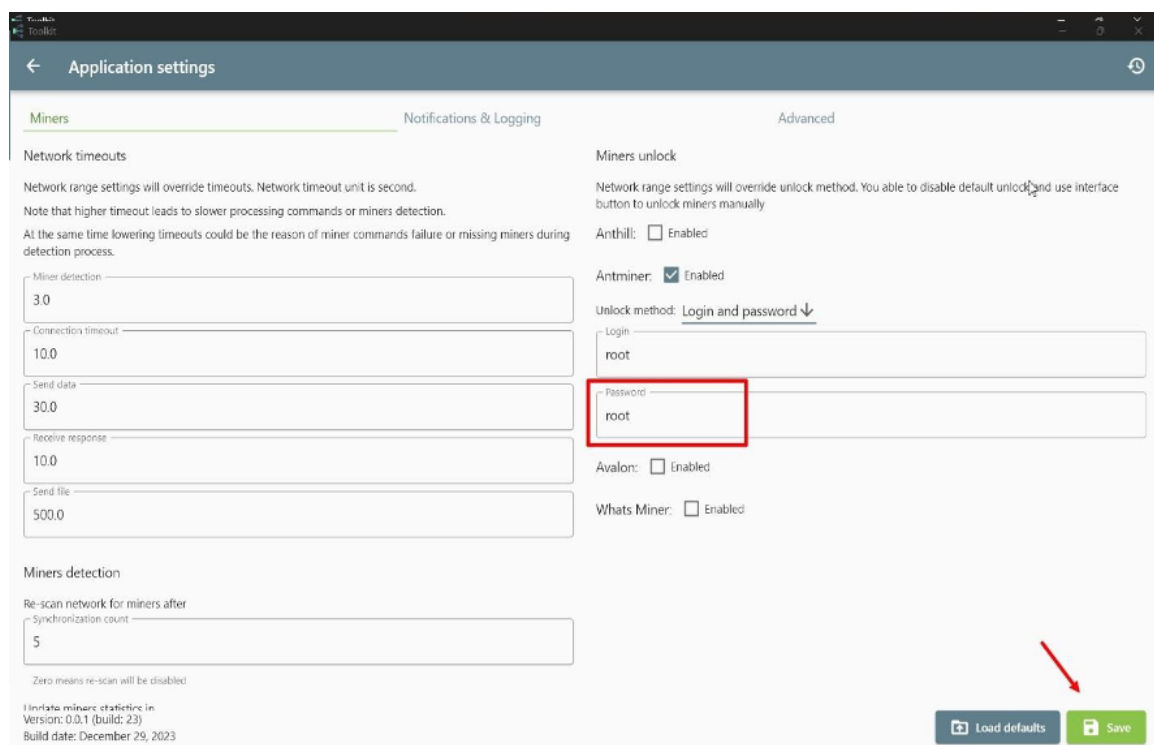
LAUNCH THE PROGRAM toolkit

1. Set the desired IP range, click on "Network ranges".

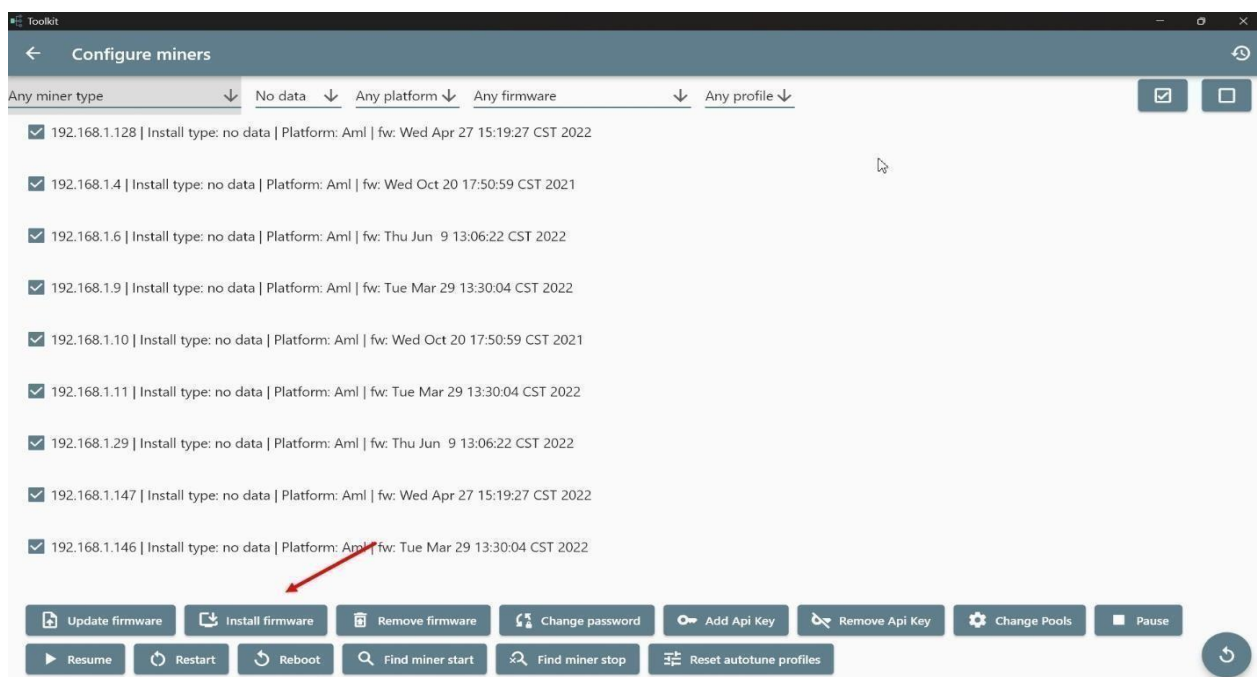2. Specify the IP range of the miners and click «Scan» , «Select ips».

3. If the password is standard, we leave everything as it is, if the password has been changed, open the Toolkit settings and enter the password in the marked field

4. Next open the «Configure miners» menu.

5. Select the required asics for flashing and click on the"Install firmware

6. indicate the path to the PREVIOUSLY SAVED FOLDER VNISH_OFFICIAL-NAND

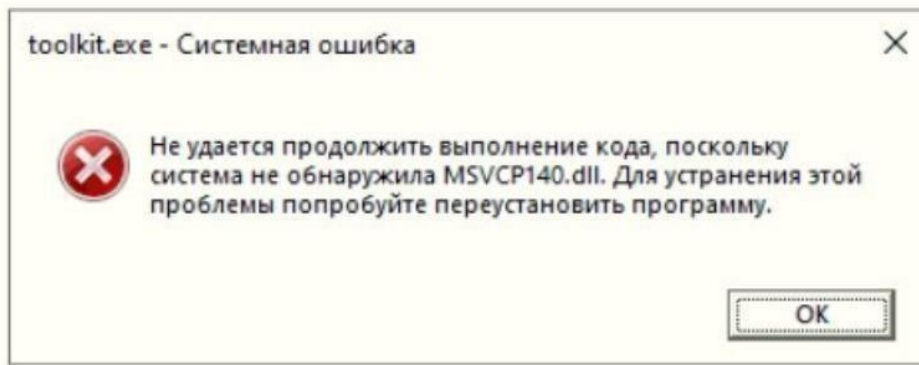where the files with the firmware are located. Enter the name of the firmware in the "Firmware name" line VNISH_OFFICIAL-NAND. Specify the current version 1.2.5 or later and click "Install firmware".

6. A status bar will appear where you can track the firmware process. After it disappears, you can configure it via the web interface, after clearing the browser cache (Ctrl+F5).

Note: if a library availability error occurs when opening the Toolkit:

toolkit.exe - Системная ошибка

Не удается продолжить выполнение кода, поскольку система не обнаружила MSVCP140.dll. Для устранения этой проблемы попробуйте переустановить программу.

OK

You must install the latest supported versions of the Visual C++ Redistributable   component
https://www.techpowerup.com/download/visual-c-redistributable- runtime-package-all-in-one/